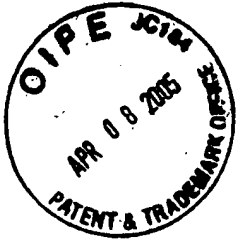


RFW



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HELEN SAMSON

Typed or Printed Name of Person Sending Paper or Fee

*Helen Samson*

April 5, 2005

Signature

Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the Application of: Hong Po

Attorney Docket No.: NU-206WO-1

Serial No.: 10/675,350

Confirmation No.: 5783

Filed: 09/30/2003

Customer Number: 000038731

Title: **RING CORE FIBER**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SECOND INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Applicants and their attorney are aware of the following patents, publications or other information, which are cited on the attached PTO forms SB/08A and 08B, and hereby submit these forms and copies of the foregoing information for the Examiner's consideration. It is respectfully requested that the Examiner consider these documents and return an initialed copy of the forms PTO/SB/08A and 08B to the undersigned.

This Second Information Disclosure Statement is not to be interpreted as a representation that the cited information is material, that an exhaustive search has been conducted, or that no other information that the Examiner may consider to be relevant exists. Nor shall the citation of any information herein be construed as a *per se* representation that the cited information is prior

art to the present application. Moreover, the Applicants understand that the Examiner will make an independent evaluation of the cited information.

Copies of U.S. Patents or U.S. Patent Application Publications are not submitted, as they are no longer required unless specifically requested by the PTO (see by 37 CFR §§1.98(a)(2)(i) and (ii)).

A copy of the claims currently pending in application US 2004/0156606 is submitted. US 2004/0156606 and the present application are currently co-owned.

A copy of Application No. 10/820,475, cited in the accompanying PTO form SB/08B, is likewise not included, in accordance with the Patent Announcement of September 23, 2004, entitled "Waiver of the Copy Requirement in 37 CFR 1.98 for Cited Pending U.S. Patent Applications" and signed September 21, 2004, wherein the USPTO waives the requirement for a legible copy of the specification, including the claims, and drawings of each cited pending U.S. patent application where the cited pending application is stored in the USPTO's Image File Wrapper (IFW) system. According to the USPTO Private PAIR system Application No. 10/820,475 is, as of the filing date of this Second Information Disclosure Statement, stored in the IFW system. The current owner of Application No. 10/820,475 is currently the exclusive licensee of the present application.

A copy of the Supplementary Search Report for EP 02 75 7827, which is cited on the accompanying PTO form SB/08A, is also provided. EP 02 75 7827 and the present application are related. Both claim priority to PCT/US02/09513.

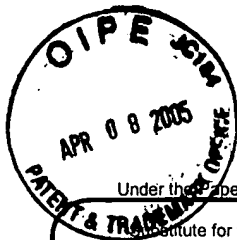
No fees are understood to be due in connection with the filing of this Second Information Disclosure Statement, since no office action on the merits has yet been issued. However, if it is determined that a fee is due in connection with the filing of this Second Information Disclosure Statement, please charge such fees to our Deposit Order Account No. 502343.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "P.J. Rainville", with a long, wavy horizontal line extending to the right.

Peter J. Rainville, Esq.  
Reg. No. 41,263  
Nufern  
7 Airport Park Road  
East Granby, CT 06026  
860-408-5022

Date: April 5, 2005



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Sheet 1 of 3

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|                        |                  |
|------------------------|------------------|
| Application Number     | 10/675,350       |
| Filing Date            | 09/30/2003       |
| First Named Inventor   | Hong Po          |
| Art Unit               | 2874             |
| Examiner Name          | Kang, Juliana K. |
| Attorney Docket Number | NU-206WO-1       |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                        |                       | US- 4,815,079                            | 03-21-1989                     | Snitzer et al.                                     |   |
|                        |                       | US- 5,077,087                            | 12-31-1991                     | Byer et al.  |   |
|                        |                       | US- 5,121,460                            | 06-09-1992                     | Tumminelli et al.                                  |   |
|                        |                       | US- 5,225,925                            | 07-06-1993                     | Grubb et al.                                       |   |
|                        |                       | US- 5,530,709                            | 06-25-1996                     | Waarts et al.                                      |   |
|                        |                       | US- 5,877,890                            | 03-02-1999                     | Snitzer  |   |
|                        |                       | US- 5,881,197                            | 03-09-1999                     | Dong et al.  |   |
|                        |                       | US- 6,097,512                            | 08-01-2000                     | Ainslie et al.                                     |   |
|                        |                       | US- 6,538,807 B2                         | 03-25-2003                     | Kakui et al.                                       |   |
|                        |                       | US- 2004/0086245 A1                      | 05-06-2004                     | Farroni et al.                                     |   |
|                        |                       | US- 2004/0156606 A1                      | 08-12-2004                     | Po   |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
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|                          |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                          |                       | WO 97/35220   | 09-25-1997                     | Tel LM Ericsson                                    |   |                |
|                          |                       | WO 02/071554 A3   | 10-30-2003                     | OPS Inc.   |   |                |
|                          |                       | EP 0 689 068 A1   | 12-27-1995                     | Sumitomo   |   |                |
|                          |                       | EP 0 881 511 A2   | 12-02-1998                     | TRW Inc.   |   |                |
|                          |                       | EP 0 898 348 A1   | 02-24-1999                     | NEC Corp.  |   |                |
|                          |                       | EP 1 095 432 B1   | 09-17-2003                     | Southampton Uni                                    |   |                |

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| Application Number     | 10/675,350       |
| Filing Date            | 09/30/2003       |
| First Named Inventor   | Hong Po          |
| Art Unit               | 2874             |
| Examiner Name          | Kang, Juliana K. |
| Attorney Docket Number | NU-206WO-1       |

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| Sheet | 2 | of | 3 |
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

| FOREIGN PATENT DOCUMENTS |                          |   |                                   |  |   |                |
|--------------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                          |                          | EP 02 75 7827 (supplementary<br>European Search Report)                           | 01-31-2005                        | OCG Tech Lic.                                      |   |                |
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| <b>Sheet</b> 3 <b>of</b> 3    | <b>Application Number</b>   | 10/675,350       |
|                               | <b>Filing Date</b>          | 09/30/2003       |
|                               | <b>First Named Inventor</b> | Hong Po          |
|                               | <b>Art Unit</b>             | 2874             |
|                               | <b>Examiner Name</b>        | Kang, Juliana K. |
| <b>Attorney Docket Number</b> |                             | NU-206WO-1       |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    |                       | GHATAK et al.; "Design of Waveguide Refractive Index Profile to Obtain Flat Modal Field"; SPIE Vol. 3666, pp. 40-44 (1998).   |                |
|                    |                       | DAWSON et al.; "Large flattened mode optical fiber for high output energy pulsed fiber lasers"; CLEO 2003, June 3, 3.30-3.45, CWD5.   |                |
|                    |                       | OPTOELECTRONICS RESEARCH CENTRE; "High power fiber lasers : pulsed fiber devices"; www.orc.soton.ac.uk/hpfl/pulsed.php, printed 3/30/2005.  |                |
|                    |                       | VIENNE et al.; "Fabrication and Characterization of Yb3+:Er3+ Phosphosilicate Fibers for Lasers"; Journal of Lightwave Technology, Vol. 16, No. 11, pp. 1990-2001 (Nov. 1998).  |                |
|                    |                       | NILSSON et al.; "Yb3+ -ring-doped fiber for high-energy pulse amplification"; Optics Letters, Vol. 22, No. 14, pp. 1092-1095 (July 15, 1997).   |                |
|                    |                       | NILSSON et al.; "Ring-doped cladding-pumped single-mode three-level fiber laser"; Optics Letters, Vol. 23, No. 5, pp. 355-357 (March 1, 1998).  |                |
|                    |                       | ALVAREZ-CHAVEZ et al.; "High-energy, high-power ytterbium-doped Q-switched fiber laser"; Optics Letters, Vol. 25, No. 1, pp. 37-39 (January 1, 2000).   |                |
|                    |                       | SAMSON et al; "Optical Fiber for Handling Higher Powers"; US Patent Application 10/820,475 filed 04-08-2004.  |                |
|                    |                       | Claims currently pending (as filed 03/28/05 with Response to Office Action mailed by Examiner on 09/27/2004) in Patent Application No. 10/653,435 (US 2004/0156606 A1).   |                |
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